

### IN THE SPECIFICATION

Please replace the paragraph beginning at page 11, line 27, through page 12, line 16, with the following rewritten paragraph:

The auxiliary regenerator disposed in the high concentration cycle can concentrate the solution, and the refrigerant vapor generated in the auxiliary regenerator is not directed to the condenser but absorbed in the auxiliary absorber having a lower pressure (lower dew point) than the condenser. The solution in the auxiliary ~~regenerator~~ absorber that has absorbed the refrigerant vapor turns out to be of low concentration, and if the thus diluted solution is regenerated (concentrated) in the low-temperature regenerator, it can be achieved at a relatively low temperature, allowing the refrigerant vapor to be directly discharged to the condenser. Adding this low concentration cycle can decrease the dew point of the vapor to be generated in the intermediate temperature regenerator defined in the high concentration side, and thus suppress the refrigerant vapor pressure in the high temperature regenerator, which supplies a heat to the intermediate temperature regenerator.

Please replace the paragraph at page 14, lines 2-14, with the following rewritten paragraph:

An embodiment of the present invention, as shown in Fig. 1 and Fig. 4(a) in a simplified illustration of the flow diagram of Fig. 1, includes a solution circulation system composed of a low-concentrated solution circulation system for a solution circulation primarily between an auxiliary absorber ~~GX~~ AX and a low temperature regenerator GL and a high-concentrated solution circulation system for a solution circulation primarily among an absorber A, a high temperature regenerator GH and an intermediate regenerator GM, which is provided for suppressing a pressure (refrigerant saturation temperature) and a solution

temperature in a high temperature regenerator GH even in the circumstance of a high cooling water temperature.

Please replace the paragraph at page 37, lines 5-14, with the following rewritten paragraph:

A part of the dilute solution exited out of the absorber A is branched at the point of the black dot to enter the intermediate temperature regenerator GM, (Horizontal ~~solid~~ broken line), and is mixed with the solution that has been concentrated in the high temperature regenerator GH. The white dot at the right end of the broken line indicates the concentration of the mixture.

Please replace the paragraph at page 37, line 22, with the following rewritten paragraph:

(3) S cycle (lower middle): broken line in ~~GL~~ GX section

Please replace the paragraph at page 38, lines 2-8, with the following rewritten paragraph:

A part of the solution exited out of the absorber A is branched at the point of the black dot to enter the auxiliary regenerator GX (Horizontal ~~solid~~ broken line), where it is mixed with the solution that has been concentrated in the intermediate temperature regenerator GM. The white dot at the right end of the broken line indicates the concentration of the mixture.

Please replace the paragraph at page 38, line 15, with the following rewritten paragraph:

(4) S cycle (bottom): broken line in GM, ~~GL~~ GX section

Please replace the paragraph at page 39, lines 1-7, with the following rewritten paragraph:

A part of the solution exited out of the absorber A is branched at the point of the black dot to enter the auxiliary regenerator GX (Horizontal ~~solid~~ broken line), where it is mixed with the solution that has been concentrated in the intermediate temperature regenerator GM. The white dot at the right end of the broken line indicates the concentration of the mixture.

Please replace the paragraph at page 39, lines 16-22, with the following rewritten paragraph:

A part of a dilute solution exited out of the absorber A is branched at the point of the black dot toward the low ~~temperature~~ auxiliary regenerator ~~GL~~ GX, while a part of the rest of the dilute solution is branched at the point of the upper black dot to enter the intermediate temperature regenerator GM, and the remainder of the dilute solution is supplied to the high temperature regenerator GH.

Please replace the paragraphs beginning at page 39, line 25, through page 40, line 10, with the following rewritten paragraphs:

The solution exited out of the high temperature regenerator GH is ~~mixed with the dilute solution~~ supplied to the intermediate temperature regenerator GM and mixed with the concentrated solution and turns to be the solution having a concentration of the mixture indicated by the white dot[[,]]. ~~which in turn enters the intermediate temperature regenerator GM, where it is concentrated. (Horizontal solid line)~~

The solution exited out of the intermediate regenerator GM is ~~mixed with the dilute solution~~ supplied to the auxiliary regenerator GX and mixed with the concentrated solution and turns to be the solution having a concentration of the mixture indicated by the white

~~dot[[,]], which in turn enters the auxiliary regenerator GX, where it is concentrated.~~  
(Horizontal solid line)

Please replace the paragraph at page 40, lines 16-23, with the following rewritten paragraph:

A part of a dilute solution exited out of the absorber A is branched at the point of the black dot located in the outlet port of the absorber to enter the low temperature auxiliary regenerator GL, while a part of the rest of the dilute solution is branched at the point of the upper black dot toward the intermediate temperature regenerator GM, and the remainder of the dilute solution is supplied to the high temperature regenerator GH.

Please replace the paragraph beginning at page 40, line 26, through page 41, line 4, with the following rewritten paragraph:

The solution exited out of the high temperature regenerator GH is ~~mixed with the dilute solution~~ supplied to the intermediate temperature regenerator GM and mixed with the concentrated solution and turns to be the solution having a concentration of the mixture indicated by the white dot[[,]]. ~~which in turn enters the intermediate temperature regenerator GM, where it is concentrated.~~ (Horizontal solid line)

Please replace the paragraph at page 41, lines 19-26, with the following rewritten paragraph:

A part of a dilute solution exited out of the absorber A is branched at the point of the black dot located in the outlet port of the absorber toward the ~~intermediate temperature~~ auxiliary regenerator ~~GM~~ GX, while a part of the rest of the dilute solution is branched at the

point indicated by the upper black dot to enter the ~~low~~ intermediate temperature regenerator GL, and the rest of the solution is supplied to the high temperature regenerator GH.

Please replace the paragraph at page 42, lines 1-7, with the following rewritten paragraph:

The solution exited out of the high temperature regenerator GH is ~~mixed with the dilute solution~~ supplied to the auxiliary regenerator GX and mixed with the concentrated solution and turns to be the solution having a concentration of the mixture indicated by the white dot[[,]]. ~~which in turn enters the auxiliary regenerator GX, where it is concentrated.~~  
(Horizontal solid line)

Please replace the paragraph at page 42, lines 17-23, with the following rewritten paragraph:

A dilute solution exited out of the absorber A is branched at the point of the black dot located in the outlet port of the absorber and one part of the solution is directed to the ~~low temperature~~ auxiliary regenerator ~~GL~~ GX, another part of the solution is directed to the intermediate temperature regenerator GM, and the remainder of the solution is directed to the high temperature regenerator GH.

Please replace the paragraph at page 43, lines 12-14, with the following rewritten paragraph:

A dilute solution exited out of the absorber A is supplied to the ~~low temperature~~ auxiliary regenerator ~~GL~~ GX, where it is concentrated. (Horizontal solid line)

Please replace the paragraph beginning at page 43, line 27, through page 44, line 1, with the following rewritten paragraph:

A dilute solution exited out of the absorber A is supplied to the ~~low-temperature~~ auxiliary regenerator ~~GL~~ GX, where it is concentrated. (Horizontal solid line)

Please replace the paragraph at page 44, lines 17-19, with the following rewritten paragraph:

A dilute solution exited out of the absorber A is supplied to the ~~low-temperature~~ auxiliary regenerator ~~GL~~ GX, where it is concentrated. (Horizontal solid line)

Please replace the paragraph at page 45, lines 7-9, with the following rewritten paragraph:

A dilute solution exited out of the absorber A is supplied to the ~~low-temperature~~ auxiliary regenerator ~~GL~~ GX, where it is concentrated. (Horizontal solid line)

Please replace the paragraph at page 46, lines 4-10, with the following rewritten paragraph:

It is to be noted that although in the drawings every introduction of the mixed solution is started at the inlet port of the high temperature regenerator GH, the intermediate temperature regenerator GM, or the ~~low-temperature~~ auxiliary regenerator ~~GL~~ GX, one of the solutions may be introduced through the inlet port and the other solution to be mixed may be introduced in the middle of the course.